

## ABSTRACT OF THE DISCLOSURE

The present invention relates to a technique for modulating a signal to be transmitted by multiple channel frequency shift keying, transmitting the same through a power line and then demodulating it easily by frequency conversion. By the multiple channel frequency shift keying(FSK) modulation, 5 attenuation or distortion caused by noise and multi-path fading in a power line communication channel can be prevented, and the performance for phase response characteristics can be improved.

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